

IN THE CLAIMS

Please amend the claims as follows:

1-3. (Cancelled).

4. (Currently Amended) A device for recording information by writing marks in a track on a record carrier via a beam of radiation, the device comprising:

a head for providing the beam,—:

5 a radiation controller configured to control the beam to write the marks in a selected part of the track, the marks having a main mark intensity and a mark length within a predefined range of mark lengths,—: and

a secondary radiation controller configured to control the beam to write secondary marks in the same selected part of the track,

10 _____wherein the secondary marks having a secondary mark intensity that is substantially different from the main mark intensity and a length substantially longer than mark lengths in the predefined range,

wherein the secondary radiation controller is adapted to control the beam to write a combination of the marks and the secondary marks during said recording of information,

20 wherein the secondary radiation controller is adapted to control the beam to create the combination of the marks in which marks located at an area of track having a secondary mark, have a

main mark intensity different from the main mark intensity of marks located at an area of the track not having a secondary mark, and

wherein a scanning signal level difference between marks and intermediate spaces is substantially equal at both areas of the track.

5. (Currently Amended) The device as claimed in claim ~~14~~, wherein the secondary radiation controller is arranged to write the secondary marks by controlling a writing power of the radiation of the beam to secondary level that is substantially lower than a writing power for writing the marks.

6. (Currently Amended) The device as claimed in claim ~~14~~, wherein the secondary radiation controller is arranged to write the secondary marks by controlling the shape of the beam by an adjustable optical element.

7. (Currently Amended) A record carrier carrying information represented by marks in a track, the marks in at least a part of the track having a main mark intensity and a mark length within a predefined range of mark lengths, and the same part of the track further comprising secondary marks having a secondary mark intensity that is substantially different from the main mark intensity, and the secondary marks having a length substantially longer than mark lengths in the predefined range,

wherein the marks located at an area of track having a
10 secondary mark, have a main mark intensity different from the main
mark intensity of marks located at an area of the track not having
a secondary mark,
and wherein a scanning signal level difference between
marks and intermediate spaces is substantially equal at both areas
15 of the track.

8. (Previously Presented) The record carrier as claimed in claim
7, wherein said different secondary mark intensity is constituted
by the secondary marks being effectively narrower than the marks.

9. (Currently Amended) A method of recording information by
writing marks in a track on a record carrier via a beam of
radiation, the method comprising the acts of

controlling the beam to write the marks in a selected part
5 of the track, the marks having a main mark intensity and mark
lengths within a predefined range of mark lengths, and

controlling the beam to write secondary marks in the same
selected part of the track, the secondary marks having a secondary
mark intensity that is substantially different from the main mark
10 intensity and a length substantially longer than mark lengths in
the predefined range,

wherein the marks located at an area of track having a
secondary mark, have a main mark intensity different from the main

mark intensity of marks located at an area of the track not having

15 | a secondary mark,

and wherein said controlling writing the marks is
performed at a first instance in time and writing the secondary
marks is performed at a different instance in time during two
separate scans of the selected part of the track.

10. (Cancelled).

11. (Currently Amended) A device for reading information
represented by marks and additional information represented by
secondary marks from a track on a record carrier via a beam of
radiation, the marks having a main mark intensity and mark lengths
5 within a predefined range of mark lengths, the secondary marks
having a secondary mark intensity that is substantially different
from the main mark intensity and a length outside the predefined
range of mark lengths, and the marks and the secondary marks being
in the same selected part of the track, the device comprising

10 | a head configured to provide the beam,

a front-end unit configured to generate a scanning signal
for detecting marks and secondary marks during said scanning,

a read processing unit configured to retrieve the
information from the scanning signal, and

15 | a secondary read unit configured to retrieve additional
information encoded in the secondary marks from the scanning
signal,

wherein marks located at an area of track having a secondary mark, have a main mark intensity different from the main mark intensity of marks located at an area of the track not having a secondary mark,

and wherein a scanning signal level difference between marks and intermediate spaces is substantially equal at both areas of the track.

12. (Currently Amended) ~~The device as claimed in claim 1-A~~

device for recording information by writing marks in a track on a record carrier via a beam of radiation, the device comprising

a head configured to provide the beam,

a radiation controller configured to control the beam to write the marks in a selected part of the track, the marks having a main mark intensity and a mark length within a predefined range of mark lengths, and

a secondary radiation controller configured to control the beam to write secondary marks in the same selected part of the track, the secondary marks having a secondary mark intensity that is substantially different from the main mark intensity and a length substantially longer than mark lengths in the predefined range,

wherein the secondary radiation controller is adapted to control the beam to create a combination of the marks and secondary marks,

_____ wherein the marks, located at an area of track having a
secondary mark, have a main mark intensity different from the main
20 mark intensity of marks located at an area of the track not having
a secondary mark,

_____ and wherein a scanning signal level difference between
marks and intermediate spaces is substantially equal at both areas
of the track.

13. (Cancelled).

14. (Currently Amended) ~~The method as claimed in claim 9A~~
method of recording information by writing marks in a track on a
record carrier via a beam of radiation, the method comprising the
5 acts of

_____ controlling the beam to write the marks in a selected part
of the track, the marks having a main mark intensity and mark
lengths within a predefined range of mark lengths, and

_____ controlling the beam to write secondary marks in the same
selected part of the track, the secondary marks having a secondary
10 mark intensity that is substantially different from the main mark
intensity and a length substantially longer than mark lengths in
the predefined range,

_____ wherein the marks located at an area of track having a
secondary mark, have a main mark intensity different from the main
15 mark intensity of marks located at an area of the track not having
a secondary mark,

| _____ and wherein a scanning signal level difference between marks and intermediate spaces is substantially equal at both areas of the track.

15. (Cancelled).